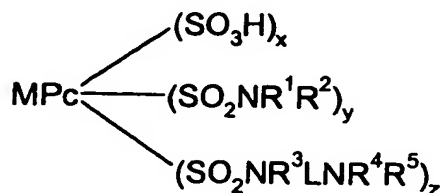


ABSTRACTPhthalocyanines And Their Use In Ink-Jet Printers

A mixture of phthalocyanine dyes of Formula (1) and salts thereof:

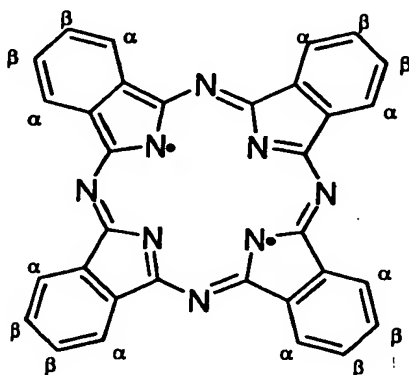


Formula (1)

wherein:

M is Cu or Ni;

Pc represents a phthalocyanine nucleus of formula;



L is optionally substituted C_{1-20} alkylene, alkyenylene or alkynylene, optionally interrupted by $-\text{O}-$, $-\text{NH}-$ or $-\text{S}-$;

R^1 , R^2 , R^3 and R^4 independently are H or optionally substituted C_{1-4} alkyl;

R^5 is H or an optionally substituted hydrocarbyl; or

R^4 and R^5 together with the nitrogen atom to which they are attached represent an optionally substituted aliphatic or aromatic ring system;

x is 0.1 to 3.8;

y is 0.1 to 3.8;

z is 0.1 to 3.8;

the sum of $(x+y+z)$ is 4; and

the substituents, represented by x, y and z, are attached only to a β -position on the phthalocyanine ring.

Also novel compositions and inks, ink-jet printing processes, printed images and cartridges.